OMB No. 2050-0190
Expiration Date: 4/30/2006

ENROLL US!

We Want to Be a Partner in EPA's
National Partnership for Environmental Priorities

GENERAL INFORMATION

Name of Organization: **Brookhaven National Laboratory** Facility Name: **Brookhaven National Laboratory**
Principal Contact: George Goode Title: Div. Mgr., Environmental and Waste Mgmt. Services
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PARTNER AGREEMENT

Our organization is choosing to become a partner in EPA's National Partnership for Environmental Priorities. Our goal is to reduce the quantity of one or more Priority Chemicals currently found in our products, processes, or releases using techniques such as source reduction, recycling, or other materials management practices. In this enrollment application, we identify one or more voluntary goals that we believe we can achieve as partners in this program. The voluntary goal(s) provided below is an initial estimate and may change over time. We may revise our goal(s) or withdraw from the program at any time. If/when we choose to revise our goals or withdraw from the program, we will notify EPA.

GOAL #1. Chemical Name: Mercury **CASRN:** 7439-97-6

Narrative description of proposed project and the method we will use to measure success**:** Thermometers, pressure measuring, and vacuum systems are being targeted for replacement with non mercury-bearing instruments. In addition, BNL will continue to implement a sanitary line-cleaning program to address mercury deposits in sink traps and drain lines. Historical breakage of mercury-bearing instruments has left deposits of mercury in traps and drains that continually "bleed" low concentrations into the BNL sewer system. Success will be measured by inventorying mercury-containing devices during periodic inspections of lab spaces and continual monitoring of the influent and effluent of the BNL sewage treatment plant. BNL is committing to reduce elemental mercury waste generated by reducing the overall inventory of mercury in the workplace. While this effort will result in increased waste elemental production in 2004 and 2005, BNL expects a 25% reduction in elemental mercury waste generated by 2006 as compared with a baseline year of 2003. Reduction figures are for mercury content only and not the total weight of waste.

1. Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated from a baseline amount of 150 pounds generated in January, 2003 (month/year) to a reduced amount of 112.5 pounds generated by December, 2006 (month/year).

2. To accomplish this goal, we will explore the following source reduction options (check all that apply):

- [X] Equipment or technology modifications.
- [ ] Process or procedure modifications.
- [ ] Reformulation or redesign of products.
- [ ] Substitution of less toxic raw materials.
- [ ] Improvements in inventory control.
- [ ] Improvements in maintenance/housekeeping practices.
- [ ] Other (explain): _____.

3. Our (optional) voluntary recycling or recovery goal for Chemical #1 is to increase the amount of this chemical recycled or recovered from a baseline amount of _____ pounds in _____ (month/year) to an increased quantity of _____ pounds by _____ (month/year).

Authorizing Official/Title: George Goode **Date:** July 24, 2004
Project Contact (if different from Authorizing Official): _____ **Phone:** _____
NOTE: use supplemental sheets for additional goals.

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SUPPLEMENTAL GOAL SHEET: NATIONAL PARTNERSHIP FOR ENVIRONMENTAL PRIORITIES

GOAL # 2 . Chemical Name: PCBs **CASRN:** 1336-36-3

Narrative description of proposed project and the method we will use to measure success: In 2004, BNL implemented a program to reduce its inventory of spare transformers-in-storage and will permanently dispose of 5 transformers that were tested and found to contain PCBs in concentrations > 50 ppm, 8 transformers with PCBs with concentrations between 1 and 50 ppm, and 22 non-PCB transformers. An additional project involves the replacement of PCB capacitors found in electrical systems. This project replaced 18 small capacitors in 2003 and will remove and replace 48 small capacitors in 2004 and 119 large capacitors in 2005. Other PCB reduction efforts include removal and replacement of old fluorescent light ballasts with ones certified non-PCB. With the targeted reductions, BNL will reduce its inventory of PCBs by approximately 48% by the end of 2005. While these efforts will result in increased PCB shipments in 2004 and 2005, the inventory of PCBs will be reduced thereby reducing waste generation in future years. Note that the reductions shown below are for PCBs in inventory and not waste produced.

1. Our voluntary source reduction goal for Chemical # 2 is to reduce the amount of this chemical generated from a baseline amount of 4780 pounds PCB in inventory pounds generated in January, 2004 (month/year) to a reduced amount of 2465 pounds PCB in inventory pounds generated by December, 2006 (month/year).

2. To accomplish this goal, we will explore the following source reduction options (check all that apply):

X	Equipment or technology modifications.	____	Process or procedure modifications.
____	Reformulation or redesign of products.	____	Substitution of less toxic raw materials.
____	Improvements in inventory control.	____	Improvements in maintenance/housekeeping practices.
____	Other (explain): _____		

3. Our (optional) voluntary recycling or recovery goal for Chemical # ___ is to increase the amount of this chemical recycled or recovered from a baseline amount of _____ pounds in _____ (month/year) to an increased quantity of _____ pounds by _____ (month/year).

4. To accomplish this recycling or recovery goal, we will explore the following options (check all that apply).

- ____ Direct use/reuse in a process to make a product.
- ____ Processing the waste to recover or regenerate a usable product.
- ____ Using/reusing waste as a substitute for a commercial product.
- ____ Other (explain): _____

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GOAL # ___. Chemical Name: _____ **CASRN:** _____

Narrative description of proposed project and the method we will use to measure success: _____

1. Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated from a baseline amount of _____ pounds generated in _____ (month/year) to a reduced amount of _____pounds generated by _____ (month/year).

2. To accomplish this goal, we will explore the following source reduction options (check all that apply):

____	Equipment or technology modifications.	____	Process or procedure modifications.
____	Reformulation or redesign of products.	____	Substitution of less toxic raw materials.
____	Improvements in inventory control.	____	Improvements in maintenance/housekeeping practices.
____	Other (explain): _____		

Name of Organization: Brookhaven Science Associates
Project Contact: George Goode **Phone:** (631) 344-4549